

		Ha J. Zemineka. Linn. Soc. 10 Col. or Cocl. informacrylaldeh R'CCI: CRCH: ynthesis of the minomethylene ydrolyzed to method the folk yield, and m 6.6, 1.4915; M 1. Ph. 47.1, 1 CH ₂ h ₁ , 46.0, RR! (CH ₂ h) 5248, By the com CHN ₂ CH	esis of β-chloro (Cz-choslovak 158, 227-551 158, 227-551 158, 227-551 ydes, proceedir NMe ₁ X; this is salts from the deriv. The g β-chloroacrylal oxing R'CCl·C given: H, N te, Et, 77.9, 1. .6166; Me, Pl .1, 15162; [RR' .1, 65.2, 1.522; latter method; (O) and COCI	2crylaldehydes. Akad. Sci. Pra. Stituted Jorma sarbonyl compd. Ig via the qua is supported by IE correspondin uaternary salts dehydes. By RCHO are pre IE, 38.5, 1.4826 1871; H, Bu, S I, 90.7, 1.5833 = (CH,), I, SI I, II, T.3, I, I, II, II, II, II, II, II, II, II,	Z. Arnold gue). Proc. miles with 6, to yield 8- ternary salt independent g directly-are readily the former pd. (R; R', 0.0, 1.4769; [RR' = 1.1, 1.5225; Ht M, 63.1, 823 (preparation).	Jay.	
To proceed	pipat King.				2-9		

ZEMLICKA, J.; SMRT, J.; SORM, F.

Nucleic acid components and their analogues. Part 19: Synthesis of 3-methyl-6-azauridine-5'-phosphate and -pyrophosphate. Coll Cz Chem 27 no.6:1462-1469 Je '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

(7)

ZEMLICKA, J; BERANEK, J.; SMRT, J.

CSSR

Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Science, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 12, 1962, pp 2784-2795

"Preparation and Methanolysis of Uridine, 6-Azauridine and 6-Azacytidine O-Formyl Derivatives"

(3)

"APPROVED FOR RELEASE: 07/19/2001 ZemLickA, JAN D. CZECHOSLOVAKIA/Cosmochemistry, Geochemistry, Hydrochemistry. Abs Jour : Ref Zhur - Khimiya, No 10, 1958, 32082 Jan Zemlicka-Author "Ustred. ustavu geol."? Geochemistry of Titanium in Weathering Process of Inst Volcanic Rocks. : Vest. Ustred. ustavu geol., 1956, 31, No 4, 180-193 Title Orig Pub : A hypergenesis zone of detrital rocks of volumnic origin (North of the Skrashina village in Most) was studied. Abstract

The average content of TiO2 is 7.5%. The maximum amount of TiO2 is connected with the finest fractions (7.85%). Graphs of the dependence between the compounds of T102 eraphs of the dependence between the compounds of 1202 and Fe₂O₃ are presented. Ti was found in three forms:

1/ in the metastable form as TiO₂·nH₂O soluble in dilute

card 1/2

10

7/19/2001

CIA-RDP86-00513R0019644

ZEMLICKA, J.

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11246.

Author : Stauek, J. and Zemlicka, J.

Inst Title

: Oxidation of Several A - Substituted Alcohol Derivatives

by the Oppenauer Method.

Orig Pub: Chem Listy, 51, No 3, 493-496 (1957) (in Czech)

Abstract: A number of \mathcal{N} -ketols and 1.2-glycols have been oxidized to the corresponding \mathcal{N} -diketones by a modified Oppenauer procedure using Al-phenomial (I) and p-benzoquinone (II) in anhydrous media (see M. Yamashita and T. Matsumura, J. Chem. Soc., Japan, 64, 506 (1943); R. L. McKee and H. R. Henze, J. Amer. Chem. Soc., 66, 2021 (1944); P. Ruggli et al, Helv. Chim. Acta, 29, 312 (1946)). The esters of \mathcal{N} -hydroxy acids and of \mathcal{N} -amino alcohols

Card : 1/3

7

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2 Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11246.

do not react under the above conditions. Preparation:
0.1 mol of the substance to be exidized is heated 4 hrs
in 350 ml C6H6 with 0.05 mol I and 0.1-0.15 mol II (per
hydroxyl group to be exidized); the solution is filtered
hydroxyl group to be exidized); the solution is filtered
and extracted four times with 200 ml 5% NaOH and water,
the C6H6 is distilled off, and the residue is distilled
or recrystallized. The substance to be exidized, the exidation product, and the yield of the latter in % are given
below: hydrobenzoin, benzil, 74; iso-hydrobenzoin, benzil,
75; benzoin, benzil, 87; furoin, furil, 49; 1-phenyl-2nitroathanol, resin, -; D-borneol, D-camphor, 76.5; benzyl
alcohol, benzaldehyde, 31.1; cyclohexanol, cyclohexanone,
29.8 (the reaction is accompanied by the self-condensation
of cyclohexanone to yield 2-cyclohexe(y)-cyclohexanone,
bp 108-110⁰/3 mm, 12.4%). Acetone glycerine, 1,2- and

Card : 2/3

G-2

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry.

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11746.

1,3-benzylidene glycerine, cinchonine, the methyl ester of mandelic acid, and the diethyl ester of tartaric acid do not react under the above conditions. Monobenzoic glycol ester (0.02 mol) on heating in 120 ml C6H6 (4 hrs) with I (0.02 mol) and II (0.02 mol) gives the dibenzoic ester of ethylene glycol, yield 40.7%, mp 71.5°; on refluxing with I alone in C6H6 the yield is 93%. Benzaldehyde cyanohydrin (0.05 mol) on refluxing for 4 hrs in 400 ml C5H6 with I (0.025 mol) and II (0.075 mol) gives benzaldchyde-bis-(//, -cyanobenzyl)-acetal, yield 10.8%, mp 194°.

Card : 3/3

RUBESKA, Ivan; SPACKOVA, Alena; ZEMLICKA, Jan

Use of semiquantitative spectrochemical analysis for geochemical examination of clay sediments. Shor chem tech no.3, part 2:285-306 159.

l. Ustredni ustav geologicky, Praha a Katedra mineralogie, Vysoka skola chemicko-technologicka, Praha.

RUBESKA, Ivan; SPACKOVA, Alena; ZEMLICKA, Jan

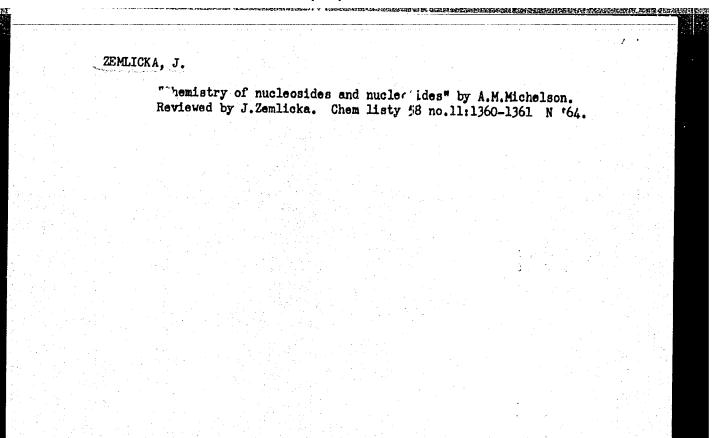
Use of semiquantitative spectorchemical analysis for geochemical examination of clay sediments. Shor chem tech no.3, part 2:285-306 159.

1. Ustredni ustav geologicky, Praha a Katedra mineralogie, Vysoka skola chemicko-technologicka, Praha.

ARNOLD, Z., ZEMLICKA, J.

Reaction of formsmidine selts and their vinylogs with carbanions. Coll Cz Chem 25 no.5:1302-1307 My '60.

1. Abteilung für organische Synthesen, Chemisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prag.



"Comprehensive biochemistry" by M. Florkin, E.H. Stotz. Reviewed by J. Zemlicka. Chem listy 58 no.8:1002-1004 Ag '64

ZEMICKA, J.; SURT, J.; SORLL, F.

CSSR.

no academic degrees indicated

Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Science, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No. 1, 1963,

"Nucleic Acids Components and Their Analogues. XXVII.
The Synthesis of 6-Azuaridine-5' Triphosphate"

(3)

ARNOLD, Z.; ZEMLICKA, J.

Synthetic reactions of dimethylformamides. Part 7: Production of triformylmethane. Coll Cz Chem 25 no.5:1318-1323 My '60.

1. Abteilung für organische Synthesen, Chemisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prag.

ZEMLICKA, J.; VLASEK, Z.

Semiquantitative spectrographic analysis of minor elements in underlying clays containing titanium. I. A preliminary report. p.210. (PRAGUE, Vol. 32, no. 3, 1957, Praha, Czechoslovakia.)

SO: Monthly List of East European Accessions (REAL) LC, Vol. 6, no. 12, December 1957. Incl.

ZEMLICKA, J.

TECHNOLOGY

Periodical: POZEMNI STAVBY. Vol. 6, no. 10, Oct. 1958.

ZEMLICKA, J. Construction of family houses. p. 510.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

ZEMLICKA, J.; MRAZEK, A.; VLASEK, Z.

Use of ultrasonics for disintegration of rocks. p. 69. PRAGUE. Ustredni ustav geologicky, VESTNIK, Praha. Vol. 27, nos. 3/4 5-6; 1952.

SCURCE: East European Accessions List (EEAL), Library of Congress Vol. 5, no. 12, December 1956.

JIRELE, Vratislav; ZEMLICKA, Jan

Hydrochemical and geochemical research of mineral waters of Frantiskovy Lazne in 1957-1958. Shor chem tech 4 no.2:277-393 160.

(EEAI 10:9/10)

1. Ustredni ustav geologicky, Praha, Ustav nerostnych surovin, Kutna Hora, a Katedra mineralogie, Vysoka skola chemicko-technologicka, Praha.

(Mineral waters)

PITHA, J.; ZEMLICKA, J.

Nucleic acid components and their analogs. Pt.45. Coll C2 Chem 29 no.2:410-418 F '64.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

ZEMLA, Janina; ORLOWSKA, Irena

Fibrous dysplazia of the mandible in children. Pediat. Pol. 39 no.3:287-294 Mr.64.

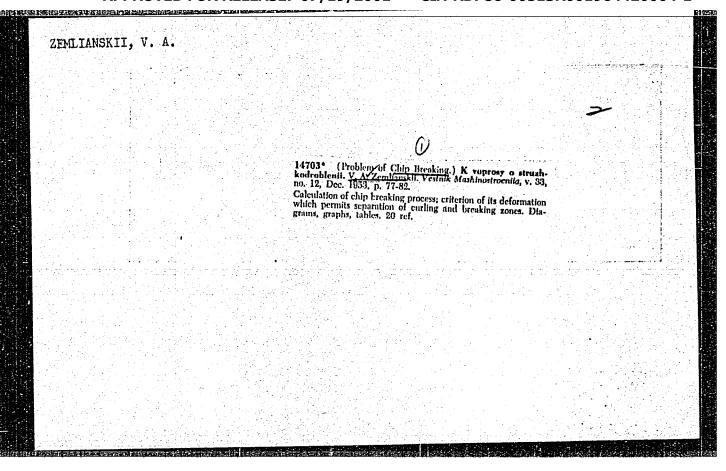
1. Z Kliniki Chirurgii Stomatologicznej AM w Warszawie; kierownik: prof.dr.med. M.Gorski.

ZEMLICKA, Josef Automation of the breadmaking line from the technological viewpoint. Prum potravin 14 no.7:242-343 Jl '63. 1. Vyskumny ustav mlynskeho a pekarenskeho prumyslu, Praha.

ZEMLIANSKII, N. I.

Zemlianskii, N. I., Prib, O. A., SLarypkina, IA. N.- "Oxidation of hydrocarbons with air oxygen induced by chlorine." (p. 1770)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1952, Vol. 22, No. 10



ZEMLICKA, VI., MUDr. Lekar VUR, Zacler.

Cooperation of the Regional Direction of the Public health with district physicians. Prakt. lek., Praha 34 no.11:254-256 5 June 54.

(PUBLIC HEALTH, in Czeche, cooperation of regional directions of pub. health with district officers)

ZEMLIKHAN, E.A.; SKRYABIN, K.I., akademik. On the life cycle of the bird-host trematoda Gymnophallus affinis (Jameson et Micoll, 1913). Dokl.AM SISR 91 no.4:989-992 Ag '53. (MLRA 6:8) 1. Akademiya nank SISR (for Skryabin). 2. Karelo-Finskiy gosudar-stvennyy universitet Petrozavolak (for Zemlikman). (Trematoda) (Parasites-Birds)

ZEMLINA, A.G.

USSR / General and Special Zoology. Insects. Harmful Insects and Arachnids. Pasts of Fruit and Berry

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64100.

Author: Zemlina, A. G. Branch, AS USSR.

The Far Tastern Branch (Rhynchites heros Roel.) Title: The Pear Snout Beetle (Rhynchites heros Roel.) Garden Pest in She Brimer' Vo. Primerskiy Kray.

Orig Pub: Tr. Dal'novosto fil. AN SSSR, scr. zool. 1956, 3, (6), 151-161.

Abstract: The pear snout bootlo develops (experiments in the years 1951-1953) in one generation, and, as a thormophyle species, usually concentrates in fruit plantings located on southern slopes. Rh. noros is a substantial poar fruit post in the south of the Primorskiy Kray and in some

Card 1/2

USSR / Goneral and Special Zoology. Insects. Harmful Insects and Arachnids. Posts of Fruit P Cultures O7/19/2001 CIA-RDP86-005134001964420004-1

Abs-Jour: Ref Zhur-Biol., No 14, 1958, 64100.

Abstract: years it causes the destruction of up to 60% of the crop. Comparatively resistant pear variotics are found among the Far Lastern poer specio. A corresponding selection of varieties and the application, for control of the poar snout boetle, of 12% BHC dust or 5% DDT dust against bootles and 25% soil BHC against larvae is recommended. Tilling the soil and areas around the trunks of the pear trees and garden sanitary measures have a somewhat protection value. -- B. V. Vereshchagin.

ZEMLINA, A.G.

Apple blossom weevil Anthonomus pomorum L. in the Maritime Territory. Soob.DVFAN SSSR no. 15:77-82 '62. (MIRA 17:9)

1. Gorno-tayezhnaya stantsiya Dal'nevostochnogo filiala Sibirskogo otdeleniya AN SSSR.

ZEMLINA, A.G., kand.biol.nauk (Voroshilov-Ussuriyskiy)

Pear pests in the Maritime Territory. Zashch.rast.ot vred. 1 bol.
3 no.2:37-38 Hr-Ap '58. (MIRA 11:4)
(Maritime territory--Pear--Diseases and pests)

The beetle Ectinohoplia rufipes Motsch a new pest of ash in the Maritime Territory. Scob. DYFAN SSSR no. 12:153-155 '60.							
1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR. (Maritime Territory—Bostles) (Ash (Tree)—Diseases and pests)	RA 13:11)						

CEMLINSKAYA, 1.1.

USSR/Medicine - Oncology

FD-2566

Card 1/1

Pub. 17-19/23

Author

Zemlinskaya, I. I.

Title

CONTRACTOR OF THE PROPERTY OF : Effect of synestrol on the development of experimental cancer in

white mice

Periodical.

: Byul. eksp. biol. i med. 5, 67-70, May 1955

Abstract

: Investigated the effect of subcutaneous injection of synestrol on the development of experimental Erlich's carcinoma in white mice which had received subcutaneous injections of ascitic fluid obtained from mice with the ascitic form of Erlich's carcinoma.

Tables.

Institution

: Obstetrics-Gynecology Clinic (Head - Prof A. M. Agaronov) of the Odessa Medical Institute imeni N. I. Pirogov (Director-Prof. I. Ya

Deyneka)

Submitted

July 26, 1954 by N. N. Petrov, Member of the Academy of Medical

Sciences USSR

ZEMLINSKAYA, I.I., kand.med.nauk

Donati's modified skin suture in ruptures and sections of the perineum. Sov. med. 25 no.3:60-64 Mr '61. (MIRA 14:3)

1. Iz kafedry akusherstva i ginekologii pediatricheskogo i sanitarnogigiyenicheskogo fakul'tetov (zav. - prof. Ya.V.Kukolev) Odesskogo
meditsinskogo instituta imeni N.I.Pirogova (direktor - zasluzhennyy
deyatel' nauki prof. I.Ya.Deyneka).

(PERINEUM._RUPTURE) (SUTURES)

ZFGLINSKAYA, I.I., kandidat meditsinskikh nauk Diagnosis of metastatic cancer of the ovaries. Sov.med. 19 no.9:34-37 S '55. (MLRA 8:12) 1. Iz akushersko-ginskologicheskoy kliniki i lechebnogo fakul'teta Odesskogo meditsinskogo instituta (dir. I.Ya.Deyneka) (OVARIES, neoplasms metastatic, diag.)

ZEMLIBSKAYA, I.I., kandidat meditsinskikh nauk

Significance of functional preparation of the breasts in the prevention of cracked nipples. Pediatria 39 no.5:24-28 S-0 156.

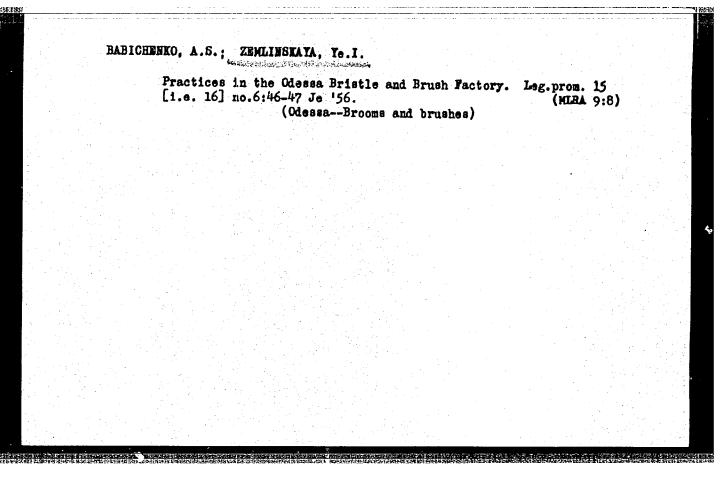
(MLRA 10:1)

1. Is kafedry akusherstva i ginekologii (zav. - prof. N.P.

Verkhatskiy) pediatricheskogo i sanitarno-gigiyenicheskogo fakul'tetov Odesskogo meditsinskogo instituta imeni N.I.Pirogova (dir. prof. I.Ya. Deyneka)

(BREAST, diseases,

cracked nipples, prev. (Rus))



S/081/62/000/001/046/067 B158/B101

AUTHORS:

Khodzhayev, G., Zemlinskiy, E. Ye., Chernov, M. F.,

Kvasnikova, K. A., Kul'metov, A., Tsapenko, M. N., Usmanova,

D. A.

TITLE:

Petroleums from fields in Southern Alamyshik

PERIODICAL: Referativnyy zhurnal. Khimiya, No. 1, 1962, 439-440,

abstract 1M79 (Uzb. khim. zh., no. 1, 1961, 55-64)

TEXT: Uzbekian petroleums from the field mentioned have low sulfur content, are resinous, have a paraffin base and have a composition approaching that of petroleums from paleogenic and neogenic beds in the same field. The average clear fraction content is 35%, this boils at up to 300°C; the gas oil fraction (300-400°C) is 11-12%, light oils (400-460°C) 13% and asphalt (7460°C) 33.5%. The oils obtained are of low viscosity and require deparaffination. The solid paraffin yield (on petroleum) from fractions up to 460°C is < 5.1%, and in the individual narrow fractions Card 1/2

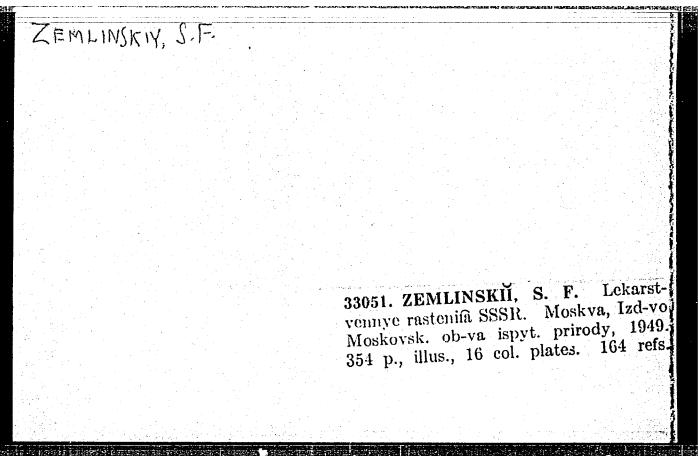
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conte	nt is 10 of	e paraffin is	medium :	fusihla	mı.			
	10%.	Abstracter's	note:	Complete	The tota	l solid	paraffin	
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KHODZHAYEV, G.; ZEMLINSKIY, E.Ya.; CHERNOV, M.F.; KVASNIKOVA, K.A.; KULIMETOV, A.; TSAPETIKO, M.N.; USMANOVA, D.A.

Petroleums of the Yuzhnyy Alamyshik field. Uzb. khim. zhur. no.1: 55-64 '61. (MIRA 14:1)

1. Institut khimii AN UZSSR.
(Yuzhnyy Alanyshik--Petroleum)

SKIY, H.I.					
Combustion of 21:139-144 '5	hydrocarbons 2.	in chlorine.	Nauk.zap.L'	riv.un. RA 10:7)	
	(Combustion)	(Propane) (B	utane)		
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ZEMLINSKIY, SAMUIL YEFIMOVICH

Lekarstvennyye rasteniya SSSR. Izd. 3., ispr. i dop. Moskva, Medgiz, 1958.
608 p. illus., tables.
Includes Bibliographies.

ZEMLIN	SKIY, S.Y	æ.	1.5	Deceased	1957	
	Medical	. Industry		See IL C		
			•			

ZEMLITSKIY, Ye.Ya.

New method of dispersion analysis by the centrifugation of highly dispersed systems and systems suspended in highly viscous media. Koll.zhur. 23 no.6:699-705 N-D *61. (MIRA 14:12)

l. Khar'kovskiy zavod transportnogo mashinostroyeniya imeni $V_{\bullet A}$. Malysheva.

(Particle size determination)

New method of dispersion analysis by centrifug 27 no.2:186-192 Mr-Ap '65.	gation. Koll. zhur. (MIRA 18:6)
 Khar'kovakiy zavcū transportnogo mashinost; Malysheva. 	royeniya imeni
이 하는 사람이 불얼굴로 하는 의에 이번만 말함.	
[1] 그렇게 하고싶은 사람들이 들어 하게 되는 것으로 하는 것 같은 생각이 하는 사람들이 생활하는 것이 있는 것이다.	그는 그는 그는 이 그 이야 말이 없을까?
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보다 원인 이 사이를 사용했다는 그런 바로 취임하다는 사이트로 보다 하	
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그렇는데, 현대는 교회를 들었는데 말이 들어 보는데 다.	
이 방계 그는 그래가 즐겁니까? 살림이 많은 이번 모르네다.	
그리아는 이 맛을 가끔하는데 하나 하고 싶다.	그는 말이 되는 사람들은 이 얼마나 됐다.
	그 아는 이번 선부를 나타냈다. 화를
도 회사들 시간을 제발하면 최근의 회에는 네트를 하는	그리 아이트를 내용 연호를 맞았다.
보는 화를 보고 사람이 들었다. 얼마나 되는 나는 그리고 있다.	
	그리고 하다는 글로 살고 하다고 있는

Preventing the entrainment of a deposit by stream in centrifugation. Koll. zhur. 27 no.5:681-684 S-0 '65. (MIRA 18:10) 1. Khar'kovskiy zavod transportnogo mashinostroyeniya imeni Malysheva, V.A.

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SLIVNIK, J.; SMAIC, A.; ZEMLJIC, A.

80-ampere electrolytic cell for the obtainment of elementary

fluorine. Vest Slov kem dr 9 no.3/4:61-64 J1-D '63.

1. Nuklearni institut "Jozef Stefan", Ljubljana.

SLIVNIK, Je; ZEMLJIC, A.

Sythesis of bromotrifluoride in a glass apparatus. Vest Slov kem dr 9 no.3/4:57-59 Jl-D 163.

1. Nuklearni institut "Jozef Stefan", Ljubljana.

SLIVNIK, J.; BRCIC, B.; VOLAVSEK, B.; SMAIC, A.; FRIEC, B.; ZEMLJIC, R.; ANZUR, A.; VEKSLI, Z.

On the synthesis of, and magnetic measurements on, xenon tetrafluoride. Croat chem acta 34 no.3:187-188 162.

1. "Jozsef Stefan" Institute for Nuclear Research, Ljubljana, Slovenia, Yugoslavia (for Slivnik, Brcic, Volavsek, Smalc, Frlec, Zemljic, and 'nzur.) 2. Institute "Ruder Boskovic", Zagreb, Croatia, Yugoslavia (for Veksli).

SLIVNIK, J.; VOLAVSEK, B.; MARSEL, J.; VRSCAJ, V.; SMALC, A.; FRIEC, B.; ZEMLJIC, Z.

Synthesis of XeF8. Croat chem acta 35 no.1:81-82 '63.

1. Institut "Jozef Stefan", Ljubljana, Slovenia, Yugoslavia.

SAVICH-ZABIOTSKIY, B.K. [Savych-Zablots'kyi, B.I.], inzh.-elektrik

ZEMLLYANYY, I.M. [Zemlianyi, I.M.], inzh.-elektrik

First rural mmote control substation with 35/10 kw capacity
in the Ukraine, Mekh.sil'.hosp. 8 no.9:27-28 S '59.

(Ukraine--Remote control)

(Ukraine--Remote control)

YUGOSLAYIA/Nuclear Physics - Installations and Instruments.

Methods of Measurement and Research.

Abs Jour

: Ref Zhur Fizik , No 3, 1960, 5142

Author

: Slivnih, J., Zemljii, A.

Inst

Title

: Preparation of Uranium Samples for Mass Spectrometric

Analysis

Orig Pub

: Repts. 11 J. Stefan 77 Inst., 1958, 5, 49-51

Abstract

: The authors describe a setup for the preparation of samples of UFG, intended for mass spectrometric isotopic analysis. The setup consists of the following basic parts: generator of elementary fluorine, reaction tube, and traps. The generator represents an electrolytic cell with electrolyte KF.2HF; the F₂ is directed to the reaction tube, heated to 540° C. At this temperature the fluoridation reaction terminates after ten minutes. The UF6 produced condenses in the trap, which is cooled with dry ice. To prepare

Card 1/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001964420004-1"

YUGOSLAVIA/Nuclear Physics - Installations and Instruments.

Methods of Measurement and Research

C-

Abs Jour

: Ref Zhur Biol., No 3, 1960, 5142

80 mg of UF₆ approximately one hour is necessary. The changeover of uranium to UF₆ amounts to approximately 92%. Ye. L. Frankevich

Card 2/2

- L3 -

ZEMLO, V. V.

Zemlo, V. V. "Poisoning by mixtures of tetraethyl lead", Sbornik nauch. trudov vrachey Mordov. ASSR, Saransk, 1948, pp. 124-130.

SO: U-3261, 10 April 53 (Letopis 'Zhurnal 'nykh Statey No. 11, 1949)

YRTWOOD YRODETAO	Crechoslovukln 0-2	
ABS. JOUR.	: RZKhim., No. 1959, No. 86515	
AUTHOR	: Arnold, Z.; Zemlocka, J.	ta Pilika Pilika
inst. Title	Synthetic Reactions of Dimethylformamide. II. The Reaction of Ketals with Dimethylformamide and Phosgene.	
ORIG. PUB.	: Collect. Czechosl. Chem. Communs, 1959, 24, No 3, 786-796	
ABSTRACT	: See RZhKhim, 1959, No 6, 19357.	
CARD:		
	136	
I		

3.5-208

551.525.4:551.506 .3(LM)

of "Zemloya-Bouakawa, Nera, Dlouhodobe prumery trplot pudy. (Averages of soil temperature over long periods.) Meteorologicke Zpravy, of soil temperature over long periods. Hil-EH- The Mational Meteorological 4(1-2):24-34,1950. 9 figs., 4 tables. Hil-EH- The Mational Meteorological intensitute of Czechosłowakia has 20 stations at which soil temperature in measured. Extensive tables and charts give results from 4 such etations: Bruch from 1921 to 1949, 0-200cm; Libjeovice, Tabor and etations: Bruch from 1924 to 1948, 0-100cm, a detailed description of doil Elatovy from 1924 to 1948, 0-100cm, a detailed description of doil allowers in these areas is added as well as indications regarding working layors in these areas is added as well as indications regarding working methods. Subject Meadings: 1. Joil thaperature data 2. Czechoslovakia.

ZEHLOVA, Janina

Transplantation of the spongiosa in three cases of damages of the mandible. Cassopismo stomat. 7 no.6:269-275 Je '54.

1. Z Kliniki Chirurgii Stomatologicznej Akademii Medycznej w Warszawie i Oddzialu Stomatologicznego Miejskiego Szpitala Chirurgii Urazowej w Warszawie. Kierownik Kliniki i Oddzialu: prof. dr M.Gorski.

(MANDIBLE, surgery,

*implantation of spongiosa)
(BONE TISSUE, transplantation,

*spongiosa, in mandibular defects)
(TRANSPLANTATION,

*spongiosa, in mandibular defects)

ZEMLVANYY, FNU

USSR/Electricity - Motors, Induction

Sep 51

"Concerning G. I. Shturman's Article 'Open Squirrel Cages in Squirrel-Cages Induction Motors'," N. K. Arkhangel 'skiy, A. A. Minin, K. A. Chefranov, Engineers, "Glavenergoneft'"; G. V. Molchanov, Engr "Griproneftemash"

"Elektrichestvo" No 9, pp 81,82

The 1st group, from "Glavenergoneft'," state that Shturman's method is quite unsatisfactory and cite expts conducted by Sinel 'nikov and Zemlvanyy in the All-Union Elec Eng Inst, in which slotting of the end rings reduced the efficiency of the motors tested by 4.5-5% and the power factor by 17-19%, while increasing the starting torque by only 5-36%. Molchanov gives examples of successful application of Shturman's method.

PA 196T55

KRIVOSHEY, D.; DRAGUNOV, V.; TYSHKO, V.; KORFNYAK, A., starishiy inzh. po tekhnike bezopasnosti; MDLCHANOV, A.; rabochiy syr'yevogo tsekha; POVOLOTSKIY, B.; LOBACHEV, L.; SUKHANOV, A.; ZEMLYACHENKO, I.; KOZLOV, A.; POPENKO, F., inzh. (Moskva); SHAPIRO, A.

Editor's mail. Okhr.truda i sots.strakh. 5 no.8:32-33 Ag '62. (MIRA 15:7)

1. Glavnyy inzh. shakhty "TSentral'naya", Krivoy Rog (for Kirvoshey).

2. Pomoshchnik glavnogo inzh. po tekhnike bezopasnosti shakhty
"TSentral'naya," Krivoy Rog (for Dragunov). 3. Hachal'nik ventilyatsii shakhty "TSentral'naya," Krivoy Rog (for Tyshko). 4. Tomskiy podshipnikovyy zavod 5-GPZ (for Korenyak). 5. Kabluchnaya fabrika, g. Nerekhta (for Molchanov). 6. Predsedatel' zavodskogo komiteta Moskovskogo zavoda zhelezobetonnykh izdeliy No.7 (for Lobachev).

7. Transportnaya kontora tresta "Sterlitamakstroy", g. Sterlitamak (for Sukhanov). 8. Predsedatel' mestnogo komiteta gorodskoy tipografii, g. Michurinsk (for Zemlyachenko). 9. Predsedatel' komissii okhrany truda gorodskogo komiteta professional'nogo soyuza meditsinskikh rabotnikov, g. Yevpatoriya (for Kozlov). 10. Vneshtatnyy tekhnicheskiy inspektor Voronezhskogo oblastnogo soveta professional'nykh soyuzov (for Shapiro).

(Industrial hygiene)

\$		mo yd-vo, WIRA 11:10)
	(Stock and stockbreeding)	
		# ()

ZEMLYAK, Karpo Pet Rozpovidi' pro	semyrichku, 1959-1965.	Kyyiv, "Radyanaka	Shkola", 1961.
150 P. 111us., c	liagra, maps, port., tal	otes.	
1. Ukraine - Ecor	nomic Policy - 1959- 2	2. Russia -	

ZEMLYAK, Karn Patrovich, KRITENKO, Grigoriy Prokopovich; MEZHNIPAPA, V.Ya., redaktor; MCMZHEMAN, V.F., tekhnichniy redaktor

[Land of the Doneta] Krai doneta'kyi. Kyiv, Dersh,uchhovc-pedagog. vyd-vo "Radians'ka shkola," 1957. 185 p. (MIFA 10:8)

(Doneta Basin-Goal mines and mining)

ZEMLYAK, Karp Petrovich; NEZHNIPAPA, V.Ya. [Nezhnypapa, V.IA.], red.; CORBUNOVA, N.M. [Horbunova, N.M.], tekhm. red.

[From railroad to space flight] Vid chavunky do reisiv u kosmos. Kyiv, Derzh.uchbovo-pedagog.vyd-vo "Radians'ka shkola," 1963. 145 p. (MIRA 17:2)

ZEMLYAK, Karp Petrovich; NEZHNIPAPA, V.Ya. [Nezhnypapa, V.IA.], red.;
PIPA, L.D. [Pypa, L.D.], red. kart; GORBUNOVA, N.M. [Horbunova,
N.M.], tekhn. red.

[A story about the seven-year plan, 1959-1965] Rozpovid' pro semyrichku, 1959-1965. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1961. 156 p. (MIRA 15:3) (Russia—Economic policy)

ZEMLYAK, Karp Petrovich; KUCHMARENKO, Pavel Ivenovich; SLIN'KO, B., red.; ZELENKOVA, Ye., tekhn.red.

[Manual for the construction foreman] Pamiatka brigadira-stroitelia. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1960. 339 p. (Building) (MIRA 13:7)

المائد عود عام معالم المائد عود عام عام المائد عام	K, Ya. [Zia							
	Toward ou	r tomorrow.	Pab.i s	ial. 36 no.	,12:4-5 D	60. (MIRA 1	3.10)	
	(Kirov	sk District	(Mogilev	Province)-	-Rural cor	ditions)	J. 	
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Cordial friendship. Rab.i sial. 36 no.9:8-9 S *160. (MIRA 13:10) (Orsha-Sewing machines)

ZEMLYAK	, Yu. (g. Kishinev); MEL'NIKOV		
	Experimental machine shops.	Prom.koop. no.4:24-25	Ap 157. (MIRA 10:7)
	1. Hachal nik proisvodstvenn soveta (for Zemlyak). 2. Nachal nik konstruktorsko		ldprom-

ZEMLYAK, Yu.; LIKHACHEV, V.

Reorganization in full swing. Mest. prom. i khud. promys.
(mira 16:7)
(io.5:7-8 My '63.

1. Glavnyy inzh. Modlglavbyta, Kishinev (for Zemlyak).
2. Starshiy inzh. Moldglavbyta, Kishinev (for Likhachev).
(Moldavia—Service industries)

1. Nachal'nik otdela pishchevoy promyshlennosti i zagotovok Moldav- skogo promsoveta. (MoldaviaFood industry)	More food for the country. Prom.koop. no.6:49-50 Je'55.	(MLRA 8:11)
(MoldaviaFood industry)	skogo promsoveta.	rok Holdav-
	(MoldaviaFood industry)	
가 있는 사람들이 되는 사람들이 되는 것이 되었다. 그런 사람들이 되는 것이 되는 것이 되는 것이 되었다. 이 사람들이 되었다. 기교 기계		

ZEMLYAK, Yu.I.; SHOR, A.I.

Five more canning plants. Kons.i ov.prom. 17 no.12:35 D '62. (MIRA 15:12)

1. Glavnyy inzh. upravleniya mestnoy promyshlennosti pri Sovete Ministrov Moldavskoy SSR (for Zemlyak). 2. Starshiy inzh. proizvodstvennotekhnicheskogo otdela upravleniya mestnoy promyshlennosti pri Sovete Ministrov Moldavskoy SSR (for Shor). (Moldavia—Canning industry)

YEFIMENKO, G.G., inzh.; VOYTANIK, S.T., inzh.; YEFIMOV, S.P., inzh.; MACHKOVSKIY, A.I., inzh.; RUDKOV, A.K., inzh.; RUDKOVSKIY, G.I., inzh.; Prinimali uchastiye: KOVALEV, D.A.; GOTOVTSEV, A.A.; VASIL'YEV, G.S.; ZEMLYANOW, A.A.; KUKUSHKIN, S.N.; MATYNA, M.G.; LOVCHANOVSKIY, V.A.; KHAMNIK, T.A.; NECHESOVA, N.I.; MARTYNENKO, V.A.; KURAKSIN, D.I.; LETYAGIN, N.L.

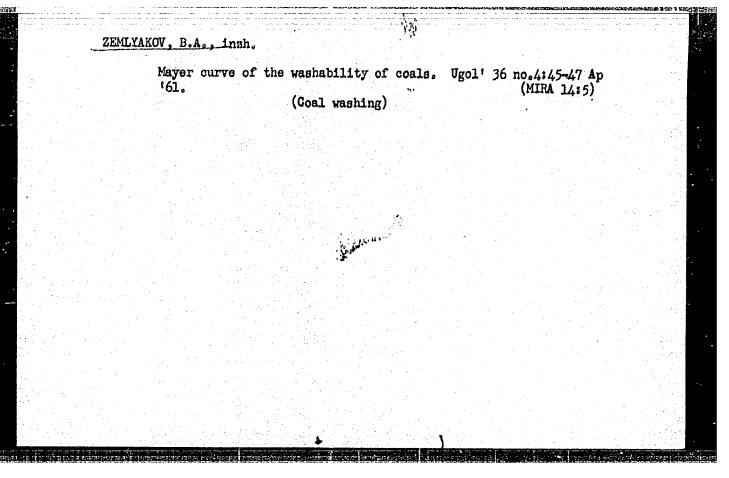
Intensifying the sintering process by the use of a special charge wetting device. Stal' 23 no.12:1061-1064 D '63. (MIRA 17:2)

1. Dnepropetrovskiy metallurgicheskiy institut, zavod im. Dzerzhinskogo i Yuzhnyy gornoobogatitel'nyy kombinat. 2. Dnepropetrovskiy metallurgi-cheskiy institut (for Kovalev, Gotovtsev, Vasil'yev, Zemlyanoy, Kukushkin). 3. Zavod im. Dzerzhinskogo (for Matyna, Lovchanskiy, Kramnik, Nechesova). 4. Yuzhnyy gornoobogatitel'nyy kombinat (for Martynenko, Kuraksin, Letyagin).

DURNOV, V.K.; BABUSHKIN, N.M.; PUSHKASH, I.I.; Prinimali uchastiye:
KOLMOGOPOV, A.V.; KLEPTSIN, V.G.; MASLENNIKOVA, E.G.;
GORYACHEVA, A.V.; BARAKHVOSTOV, V.S.; RASIN, B.S.; ZEMLYAKOV,
A.A.; BABOSHINA, G.V.

Distribution of the temperature of the hot blast in the tuyere passage of the blast furnace. Stal' 25 no.3:205-209 Mr '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel skiy institut metallurg-icheskoy teplotekhniki i Nizhne-Tagil'skiy metallurgicheskiy kombinat (for Durnov, Babushkin, Pushkash).



ZEMLYAKOV, B.A., starshiy prepodavatel'

Equation of the granulometric characteristics of coal. Izv.vys. ucheb.zav.; gor.shur. no.8:134-138 159. (MIRA 13:5)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni S.M.Kirova. Rekomendovana nauchnym seminarom fakul'teta obogashcheniya i briketirovaniya ugley.

(Coal preparation)

SOV/68-59-5-1/25

AUTHOR: TITLE: Zemlyakov, B.A.

About the Mechanical Set Up for the Removal of Filter

Cake from Disc Vacuo Filters (O mekhanizme s"yema keka

s diskov vakuum-fil'trov)

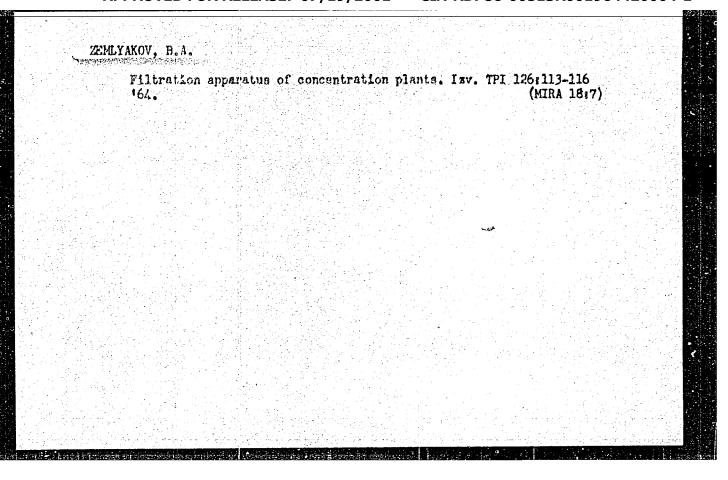
PERIODICAL: Koks i khimiya, 1959, Nr 5, pp 3-4 (USSR)

ABSTRACT: It is pointed out that the usual method of mounting the knives for removing filter cake from the discs of vacuo filters cannot secure a continuous efficient removal

because individual sectors of the filter shift from their normal position and the clearance between the edge of the knife and the disc becomes either too small (leading to cutting of the filtering cloth) or too large (cake is not properly removed). A method of mounting cutting knives which makes them follow the position of the filter

Card 1/1 disc and thus retain a constant clearance is proposed.

There are 2 figures and 4 Soviet references. ASSOCIATION: Tomskiy politekhnicheskiy institut (Tomsk Polytechnical Institute)



ZEMLYAKOV, B.A., inzh.

Graphic presentation of the results of a particle-size analysis of coals (for discussion). Nauch. trudy KuzNIIUgleobog. no.1: 139-146 '62. (MIRA 16:8)

1. Tomskiy politekhnicheskiy institut.
(Coal--Analysis)

unswittnBigopoR* 10°1:80=30 .95°	Nauch. trudy (MIRA 16:8)
1. Tomskiy politekhnicheskiy institut.	f
(Filters and filtration)	+
나라는 내는 동안을 보는 바이를 살을 때문에 보는 것이다.	그는데 모든데 보이트라야
医类类 医乳腺 医阴囊造术 经营运帐 医高压 医二氏虫虫	공원 아이 보는 사람이 되었다.
	그는 그 그는 하는 아무리 가는 어떻게 되었다.
	그 그 이 시 하는 시아, 오픈,
	이 1. 하는데 하다. 그 무슨 놀래
하다 보통하는 그 하지만 사람들은 종일 등 가면 하는 경기를 하는 일을 하고 있다.	

Distribution of combustible ratter and ask in coals by particle size classes. Izv. Sib. otd. AM USUM no.9:122-126 '61.

1. Tomskiy politekhnicheskiy institut.
(Ccal-Analysis)

(Ccal-Analysis)

ZEMLYAI	Nomogram for calculating an efficient process of screening. Fiztekh. probl. razrab. pol. iskop. no.4:153-154 '65.
	(MIRA 19:1) 1. Politeklmicheskiy institut, Tomsk. Submitted March 9, 1965.

RAVDONIKAS, Vladislav Iosifovich, 1894— Les gravures des bords du lac Onèga et de la mer Blanche. Moskva, Izdatel'etvo Akademii nauk SSSR, 1936-38.2v.maps.
(Akademiia nauk SSSR. Trudy Instituta antropologii, arkheologii i etnografii, t. IX-X) (44-45085)

ON7991P4R3

Unit for applying glue on wallpaper. Stroitel' no. 8:12 4g '58.

(Paper hanging)

(Paper hanging)

The 3-588 mortar mixer with reversible blades. Na stroi. Mosk.
no.1:24 Ja '59.

(Mixing machinery)

The S-562 puttying unit. Stroitel' no.1:19 Ja '59. (MIRA 12:3) (Futty)

PAVLIDIS, A.K., inzh.; ZEMLYAKOV, G.A., inzh.; ALESHIN, N.I., inzh.

Machines for finishing operations. Mekh. stroi. 18 no.12:
21-23 D *61.

(Finishes and finishing)

ZEMINAKOV, Ivan Petrovich; ZAVGORODNYI, V.K., inzh., retsenzent;
YEVSTAF'YEVA, N.P., red.; DOERITSINA, R.I., tekhn. red.

[Machine parts made of capron] Kapron — material dlia detalei machiny. Moskva, Mashgiz, 1961. 97 p.

(Nylon) (Machinery—Construction)

(MIRA 15:1)

43771

8/653/61/000/000/027/051 1042/1242

AUTHORS: Chukmasov, S.F. and Zemlyakov, I.P.

TITLE: Antifrictional and wear-resistant properties of caprone

SOURCE: Plastmassy v mashinostroyenii i priborostroyenii.
Pervaya resp. nauch.-tekh. konfer. po vopr. prim.
plastmass v mashinostr. i priborostr., Kiev, 1959.

Kiev, Gostakhizdat, 1961, 318-324

TEXT: The frictional and wear properties of caprone were studied at the Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Institute of Metallurgy). The moments of friction in bearings made of caprone, babbitt, bronze, and textolite were compared. The coefficient of friction of caprone can be reduced by lubrication with graphite or MoS2. These lubricants are also recommended for the steel—caprone pair at low speeds. The coefficient of friction of the steel—caprone pair is higher than that of the steel—textolite

Card 1/2

I 31565-66 EWT(d)/EWT(m)/EWP(w) IJP(c) LWV GD UR/0000/65/000/000/0143/0153

AUTHOR: Zemlyakov, S.D.

63 Br1

ORG: None

Market.

TITLE: The construction and analysis of a class of self-adjusting systems

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Tekhnicheskaya kibernetika (Technical cybernetics). Moscow, Izd-vo Nauka, 1965, 143-153

TOPIC TAGS: mathematic analysis, algorithm, mathematic model , automatic control theory, control system design, nonlinear differential equation, nonlinear automatic control system

ABSTRACT: The author investigates a real automatic self-adjusting control system of described in the general case by a system of nonlinear differential equations with variable coefficients, and constructs a model with specific characteristics corresponding to the requirements of the real system. The aim of self-adjustment is to maintain the characteristics in the real system close to those of the model. This may be achieved by readjusting the parameters of the control system, the structure of the control system, or both. In the general case, the model may have a variable structure and may be described by nonlinear differential equations with variable coefficients. The author selected a standard model Card 1/2

0

L 31565-66

ACC NR: AT6006216

consisting of a filter, the dynamic characteristics of which met with those of the real system. The error between the coordinates of the real system and the model was employed as the information needed to readjust the parameters of the control system. The problem of the construction and investigation of the self-adjusting system in this case is reduced to finding and constructing algorithms of the variation of control system parameters, which lead to a reduction in the errors between the coordinates of the model and the real system to the minimum possible value in the entire range of variations of the coefficients of the real system. Orig. art. has: 9 figures and 34 formulas.

SUB CODE: 12, 13 / SUBM DATE: 05Nov65 / ORIG REF: 004 / OTH REF: 001

Card 2/2 2C

S/081/62/000/017/091/102 B177/B186

AUTHORS:

Chukmasov, S. F., Zemlyakov, I. P.

TITLE:

Some results from research on the anti-friction and

wear-resistant properties of caprone

FERIODICAL:

Referativnyy zhurnal. Khimiya, no. 17, 1962, 545, abstract 17P85 (In collection: Plastmassy'v mashinostr. i priborostr.

Kiyev, Gostekhizdat USSR, 1961, 318 - 324)

TEXT: Comparative data are quoted for the values of wear-resistance and coefficient of friction under different operating states and conditions of lubrication where anti-friction bearings are composed of textolite, bronze, caprone and metallic sholls lined with caprone. The possibility and advantages of using caprone are shown for bearings running either without lubrication or when lubricated by oil, water and

solid lubricants, at working temperatures not higher than 140°. [Abstracter's note: Complete translation.]

Card 1/1

I. 8080

8/123/62/000/008/010/016 A004/A101

AUTHORS:

Chukmasov, S. F., Zemlyakov, I. P.

TITLE:

nikalih Nikalih

On some results of investigating the antifriction and wear-resisting properties of caprone

PERIODICAL:

Referativnyy zhurnal, Mashinostroyeniye, no. 8, 1962, 37, abstract 8A264 (V sb. "Plastmassy v mashinostr. i priborostr.", Kiyev,

Gostekhizdat UkrSSR, 1961, 318-324)

TEXT: The authors describe the methods and results of comparative tests of slide bearings from caprone and other materials under different friction and lubrication conditions. Based on the test results the following conclusions are drawn: 1. Lubricated caprone bearings do not show inferior operation characteristics than babbitt and bronze bearings. As lubricants for caprone bearings the authors recommend industrial, machine or turbine oil of a comparatively low viscosity (E-2 - E-6). 2. Ordinary water may be used for the lubrication and cooling of caprone slide bearings. The friction coefficient value of steel on caprone in a water bath is twice lower than the friction coefficient of the same materials during dry friction. 3. Under the testing conditions the

Card 1/2

On some results of investigating ...

S/123/62/000/008/010/016 A004/A101.

resistance to wear of caprone in dry friction on steel was twice as high as that of textolite, and exceeded the wear resistance of bronze by many times (100 -120 times). 4. Metallic bushings and bearing bushes coated with thin caprone films operate fully satisfactory if the coating is of good quality. 5. The friction coefficient depends to a considerable extent on the presence of solid particles between the friction surfaces (abrasion products and foreign dust-like impurities). A particularly marked effect on the friction coefficient and the nature of wear is shown by abrasion products in the friction of bodies whose surfaces are of the same hardness and structure. This effect is sharply diminished for coupling of hard and soft surfaces. Thus, e.g., in the friction of steel on bronze and bronze on cast iron the elimination of abrasion products reduced the friction coefficient by 10 - 15%, while in couplings of steel with steel and bronze with bronze this reduction amounted to 30 - 40%. The presence of solid particles between the friction surfaces hardly affects the friction process of steel on caprone. 6. Caprone bearings will satisfactorily operate both without and with lubrication by oils, water and solid lubricants, if the operating temperature does not exceed 140°C.

[Abstracter's note: Complete translation]

Card 2/2

ZEMLYAKOV, Ivan Petrovich; ALAVERDOV, Ye.G., ingh., red.; SMIRNOVA,
G.V., tekhn.red.

[Kapron and its uses in technology] Kapron i ego primenenie
v tekhnike... Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1960. 54 p.

(Mylon)

(Mylon)

SOV/122-59-5-7/32

AUTHORS:

Chukmasov, S.F., Doctor of Technical Sciences, Professor, Zemlyakov, I.P., Engineer, and Shostak, T.I., Engineer

TITLE:

The Physical and Mechanical Properties of Cast Nylon (Fiziko-mekhanicheskiye kharakteristiki lit'ya iz

kaprona)

PERIODICAL: Vestnik mashinostroyeniya, 1959, Nr 5, pp 31-32 (USSR)

ABSTRACT:

Tests are reported designed to determine the properties of cast nylon components. Standard specimens were made with equipment of the "Kommunar" Works in Zaporozh'ye and the Dnepropetrovsk Works for Press Working Machinery (Dnepropetrovskiy zavod pressovogo oborudovaniya). The effect of normalising in boiling water was The moisture resistance was determined in accordance with GOST-4650-49 by a 24-hour immersion test in distilled water. The shrinkage was determined on standard specimens of 100 mm diameter and 4 mm thickness. The Brinell hardness was determined

Card 1/2

according to GOST-4670-49 with a 5 mm diameter ball

SOV/122-59-5-7/32

The Physical and Mechanical Properties of Cast Nylon

under a 50 kg load. Nylon fabric waste and resin components were tested after different normalising treatment lengths. The specific impact value was determined according to GOST-46-47-55. Static bending strength was measured on beams of 120 mm length and a cross-section of 10 x 15 mm, following GOST 46-48-56. Tension tests were carried out in accordance with GOST 46-49-55 and the elastic modulus in accordance with GOST 46-49-55 and the elastic modulus in accordance with GOST 46-46-49. The mean value of moisture absorption is 0.32 g/m², the casting shrinkage is 2.2%, the Brinell hardness is 6, the Izod value is 28 kgm/cm², the compressive strength is 800 kg/cm², the bending strength is 500 kg/cm², the tensile strength is 440 kg/cm² and the elastic modulus 14.5 thousand kg/cm². Many subsidiary factors are responsible for variability of these properties. There are 3 figures.

Card 2/2

Automati 46-51 M	isation at t	he Kerkle Sugai	r Befinery, Saki	. prom.	32 no.3% (MIRA 11:4)	
1. Merks	nskiy sakha (Kerks-	-Sugar industry	y-Equipment and atic control)	suppli	••)	

L 06393-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1)
ACC NR: AP6010282 SOURCE CO

SOURCE CODE: UR/0103/66/000/003/0070/0077

AUTHOR: Zemlyakov, S. D. (Moscow); Rutkovskiy, V. Yu. (Moscow)

ORG: none

TITLE: Synthesis of an adaptive control system with a reference model

SOURCE: Avtomatika i telemekhanika, no. 3, 1956, 70-77

TOPIC TAGS: self adaptive control, automatic control theory

ABSTRACT: A generalized adaptive control system defined by a nonlinear differential equation with variable coefficients is analyzed. The analysis emphasizes the improvement of the nonsensitivity of the system to a variation in its parameters. A filter, also defined by a differential equation, was adopted as a reference model. Lyapunov's direct method was used to synthesize the readjustment algorithms of the regulator's coefficients. In certain ranges, the coefficients of the closed-loop system of the main circuit deviate from the coefficients of the reference model. In those deviation ranges, the relay components provide for an asymptotic approximation of the motion of the main circuit to the motion of the reference model. A sliding regime is provided in a certain region of the phase space of the mismatch error and of its derivatives. The solution which satisfies the stability conditions is asymptotically stable in the whole. Orig. art. has: 50 formulas.

SUB CODE: 13,22,09/

SUBM DATE: 20Jan65/

ORIG REF: 007/

OTH REF: 003

Card 1/1/4/

UDC: 62-506

Trudy OGMI no.23:81-84 %1. (Meteorology)			Effect of	vertical movements	on the	evolutio	n of	frontal	zones.	6.41	
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